

## ABSTRACT:

A picture display device comprising a cathode ray tube (1) with an elongated display screen (8) and a deflection system (9) is described. The deflection power is reduced by two means. The deflection system (9) is arranged to scan the lines in the direction of the short axis (22) of the display screen (8), and the cone portion (3) of the cathode ray tube (1) has an elongated cross-section (54) whose aspect ratio is larger than or equal to the aspect ratio of the display screen (8), thereby enabling the deflection system (9), and in particular the line deflection subsystem (12), to be positioned closer to the electron beam envelope (51), which reduces magnetic losses.

10 Fig 1 and Fig 5b

PHNL000668